

Title (en)

LIGHT-EMITTING DEVICE, OPTICAL DEVICE, AND INFORMATION PROCESSING DEVICE

Title (de)

LICHEMITTIERENDE VORRICHTUNG, OPTISCHE VORRICHTUNG UND INFORMATIONSVERRARBEITUNGSVORRICHTUNG

Title (fr)

DISPOSITIF ÉLECTROLUMINESCENT, DISPOSITIF OPTIQUE ET DISPOSITIF DE TRAITEMENT D'INFORMATIONS

Publication

**EP 3951424 A4 20230208 (EN)**

Application

**EP 19922913 A 20190704**

Priority

- JP 2019070390 A 20190402
- JP 2019074540 A 20190410
- JP 2019026712 W 20190704

Abstract (en)

[origin: US2022003874A1] A light-emitting device includes: a first light source that oscillates in a single lateral mode; a second light source that oscillates in a multiple lateral mode, the second light source having a light output larger than a light output of the first light source and being configured to be driven independently from the first light source; and a light diffusion member that is provided on an emission path of the second light source.

IPC 8 full level

**G01S 7/481** (2006.01); **G01S 17/88** (2006.01)

CPC (source: EP US)

**G01S 7/4815** (2013.01 - EP); **G01S 7/484** (2013.01 - EP); **G01S 17/04** (2020.01 - EP); **G01S 17/10** (2013.01 - EP); **G01S 17/894** (2020.01 - EP US); **G06F 1/1684** (2013.01 - EP); **G06V 20/653** (2022.01 - EP); **G06V 40/166** (2022.01 - US); **G06V 40/172** (2022.01 - EP); **H01S 5/18358** (2013.01 - EP); **H01S 5/2022** (2013.01 - EP); **H01S 5/423** (2013.01 - US); **G06F 1/1686** (2013.01 - US); **H01S 5/18327** (2013.01 - EP); **H01S 5/423** (2013.01 - EP); **H01S 2301/16** (2013.01 - EP); **H01S 2301/163** (2013.01 - EP); **H01S 2301/166** (2013.01 - EP); **H04N 23/56** (2023.01 - US)

Citation (search report)

- [Y] CN 107884066 A 20180406 - SHENZHEN ORBBEC CO LTD
- [Y] EP 3078499 A2 20161012 - PALO ALTO RES CT INC [US]
- [Y] US 2014044438 A1 20140213 - TAKEDA KAZUTAKA [JP], et al
- [Y] US 2013083304 A1 20130404 - KONDO TAKASHI [JP], et al
- See also references of WO 2020202592A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2022003874 A1 20220106**; CN 113614562 A 20211105; EP 3951424 A1 20220209; EP 3951424 A4 20230208; WO 2020202592 A1 20201008

DOCDB simple family (application)

**US 202117477833 A 20210917**; CN 201980094290 A 20190704; EP 19922913 A 20190704; JP 2019026712 W 20190704